

Application No. 09/755,204

Applicants: Xiangzhong Yang and Chikara Kubota

LISTING OF THE CLAIMS

1-95. (Canceled)

96. (new) A method of improving pregnancy rates in a female bovine, comprising:
culturing adult bovine fibroblast donor cells in serum starved media;
passaging the cells for at least 10 and up to 15 passages;
nuclear transferring the donor cells into enucleated recipient bovine oocytes to
form a cybrid;
culturing the cybrid; and
transferring the cybrid into a recipient female bovine.
97. (new) The method of claim 96 wherein the passaging of cells is 10 passages.
98. (new) The method of claim 97 wherein pregnancy rates are 64%.
99. (new) The method of claim 96 wherein the passaging of cells is 15 passages.
100. (new) A method of improving pregnancy rates in a female bovine, comprising:
culturing adult bovine fibroblast donor cells in serum starved media to obtain 14,
20, or 30 doublings in cell number;
nuclear transferring the donor cells into enucleated recipient bovine oocytes to
form a cybrid;
culturing the cybrid; and
transferring the cybrid into a recipient female bovine.
101. (new) The method of claim 100 wherein pregnancy rates are up to at least 64%.

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102. (new) The method of claim 100 wherein the culturing of donor cells is for 14 doublings in cell number.
103. (new) The method of claim 100 wherein the culturing of donor cells is for 20 doublings in cell number.
104. (new) The method of claim 100 wherein the culturing of donor cells is for 30 doublings in cell number.
105. (new) The method of claim 96 or claim 100 wherein the fibroblast cells are obtained from a male bovine donor.
106. (new) The method of claim 96 or 100 wherein the male bovine donor is aged.
107. (new) The method of claim 96 or 100 wherein the aged male bovine donor is 17 years old.
108. (new) The method of claim 96 or 100 wherein the serum starved media contains up to 0.5% serum.